

Project No. _____
Book No. _____

TITLE

Turnover for Vent, Deep Vent, T
(follow p. 61, 7)

From Page No. _____

	(A)	(B)	(C)
H ₂ O	399	455	489 476
5 X Chey buffer	133		
10 X Kentab		66.7	
10 X Vent buffer			66.7
Tag storage buffer	6.71		
3.7 mg /ml activated	90		
DNA			
1ATGTT-TTP 10mM each	3.33		
32P-ATP 10mCi/ml	1.02 μ		
Mg(OAc) ₂ 50 mM	16 μ l		
MgSO ₄ 100 mM		5 μ l	
DMSO 100%			0.633, 650 use 180
	0.65 ml	0.633	
	(1) 195	(4) 190	(7) 190
	(2) 195	(5) 190	(8) 190
	(3) 195	(6) 190	(9) 19
Tag storage buffer			
Vent 0.2 μ l	4	4	4
Deep Vent. 0.2 μ l	4	4	4
Taq 0.02 μ l	4	4	4
prim 2 μ l	4	4	4
remove to 30°C , start by addition of pol	4	4	4

remove 15 μ l to 5 μ l 0.2 M EDTA \rightarrow spot 15 μ l on GTC
and remove 5 μ l to 5 μ l kill solution (200mM DAPI
100 mM EDTA) at 9°C

(1) 5 15, 30 45 60 min
spot 2 μ l on PET
resolves in 1mL isopro

* dilutions of pol
same as P.J.

Results: see graph on P.J.

To Page No. _____

Witnessed & Understood by m ,

Dat

Inv nt d by

Dat

Devaraj Balaji

11/29/94

Rec'd by

11-9-94

ag N

(D)

14-4

✓

✓

66.7 20

✓

V (0.1 μL / 100 μL PCR \Rightarrow Cf = 0.005% Tween 20/NP40This makes up for no T_{aq} here - it's present in Joe's long PCR Run.

→ 27

✓

(C_f = 50 pmol each)

→ 0.36

✓

(220 x 10⁶ total cpm)

✓

(1.2 mM Mg(OAc)₂)

✓

(1.2 mM MgSO₄ in Klenow buffer
2 mM MgSO₄ in 1X Vant buff)

4

✓

(C_f =
(2% 0.05M))

(10)

19-4

✓

(0.4 units total of each pool)

4

,

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Signed & Understood by me,

Sarah Polley

Date

11/29/94

Invented by

Sarah

Date

11-9-94